

Work Order ID 144031

144031

Page 1

March 30, 2016 1:43:39 PM

Item ID: D412-702-011 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration
 Start Date: 4/25/2016 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 5/3/2016 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: STA Date: 20160330 Tooling: Date: Run Start ***NR1***
 QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
N/A	Rev E								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPPD412-702-014 CHG002,								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

DAS
6
9-89

MUS 16-04-26

DAS
27
9-89

APR 27 2016

APR 25 2016

DAS
6
9-89

DAS
27
9-89

APR 26 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐							
Misidentified ☐	Past Due ☐								

Work Order ID 144031***144031***

Page 2

March 30, 2016 1:43:39 PM

Item ID: D412-702-011 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration
Start Date: 4/25/2016 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 5/3/2016 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging					DAS 27 9.89			
Packaging	Memo	0.00				APR 27 2016			
Packaging	Identify and pack for shipping as per PPP D412-702-011								
	Location: <u>F6029</u>								
	PPP Rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

APR 27 2016

APR 27 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							

Picklist Print

March 30, 2016 1:43:44 PM

Page 1

Work Order ID: 144031

144031

Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration

Start Date: 4/25/2016

Required Date: 5/3/2016

Start Qty: 1.00

Required Qty: 1.00

Comments: IPPRev:A03.10.17New issueKJ/RF
IPP Rev:B06.04.03As per DSI9324 JLM
IPP rev C 06.12.14 per ecn871 ec
IPP Rev:D 07-03-14 As per DSI9351 JLM
IPP Rev:E 07-07-28 As per Rev E JLM Verified By:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4-13A		Purchased	No			120	Each	506.0000	4	4			
---------	--	-----------	----	--	--	-----	------	----------	---	---	--	--	--

AN4-13A

Bolt

**

DAS 28 9-89

Location	Loc Qty	Loc Code
FG	20	
122808	20	
GA	80	
m134167	80	
O003	300	
m134497	300	
ST344	106	
m134260	106	

DAS 27 9-89

4

AN4-20A Purchased

No

120

Each

151.0000

8

8

AN4-20A

Bolt

**

DAS 28 9-89
APR 25 2016

Location	Loc Qty	Loc Code
GA	24	
m116419	24	
over003	60	
m134039	60	
ST343	67	
m132680	17	
m133694	50	

DAS 27 9-89

1

Picklist Print

March 30, 2016 1:43:44 PM

Page 2

Work Order ID: 144031

144031

Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration

Start Date: 4/25/2016

Required Date: 5/3/2016

Start Qty: 1.00

Required Qty: 1.00

AN4-5A

Purchased

No

120

Each

161.0000

4

4

AN4-5A

BOLT

DAS
27
9-89

Location

Loc Qty

Loc Code

CA

55

m129682

55

over003

100

m134039

100

ST345

6

m133064

6

DAS
6
9-89

DAS
28
9-89

D3195-041

Manufactured

No

120

Each

2.0000

2

2

D3195-041

Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

ST021

2

135729

2

DAS
6
9-89

DAS
6
9-89

D3195-043

Manufactured

No

120

Each

3.0000

2

2

D3195-043

Bracket

DAS
27
9-89

Location

Loc Qty

Loc Code

ST021

3

135730

3

DAS
6
9-89

DAS
28
9-89

D3196-1

Manufactured

No

120

Each

3.0000

1

1

D3196-1

Bar

DAS
27
9-89

Location

Loc Qty

Loc Code

ST256

3

135581

3

DAS
6
9-89

DAS
28
9-89

APR 25 2016

March 30, 2016 1:43:44 PM

Shop Packet Print

Page 2

Picklist Print

March 30, 2016 1:43:44 PM

Page 3

Work Order ID: 144031

144031

Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration

Start Date: 4/25/2016

Required Date: 5/3/2016

Start Qty: 1.00

Required Qty: 1.00

D3196-3

Manufactured No

120

Each

6.0000

1

1

9-89

D3196-3

Bar

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST256

6

137058

6

D3196-4

Manufactured No

120

Each

5.0000

1

1

D3196-4

Bar

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST256

5

136409

5

D3197-041

Manufactured No

120

Each

1.0000

2

2

D3197-041

Bar

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST256

1

137480

1

D3198-1

Manufactured No

120

Each

11.0000

4

4

D3198-1

Fitting

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST021

11

142843

11

D3215-041

Manufactured No

120

Each

4.0000

18

18

D3215-041

Harness Assembly

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST464

4

139637

4

DAS
27
9-89

March 30, 2016 1:43:44 PM

Shop Packet Print

Page 3

Picklist Print

March 30, 2016 1:43:44 PM

Page 5

Work Order ID: 144031

144031

Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration

Start Date: 4/25/2016

Required Date: 5/3/2016

Start Qty: 1.00

Required Qty: 1.00

MS21042L4

Purchased

No

120

Each

2,251.000

12

12

MS21042I 4

Locknut

134509

Location

Loc Qty

Loc Code

FP001

37

m133363

37

GA

386

m133769

386

OVER007

1500

m134502

1500

ST303

231

m134055

231

ST305

97

m130922

97

DAS
6
28
9-89

DAS
27
9-89

MS24694-S152

Purchased

No

120

Each

30.0000

8

8

MS24694-S152

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST282

30

m133011

30

DAS
6
28
9-89

MS24694-S154

Purchased

No

120

Each

45.0000

8

8

MS24694-S154

Screw

DAS
27
9-89

Location

Loc Qty

Loc Code

ST282

45

m133134

15

m134055

30

DAS
6
28
9-89

APR 25 2016

Picklist Print

March 30, 2016 1:43:44 PM

Page 6

Work Order ID: 144031

144031

Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness Loops Over Existing Lap Belts, 13 Man Configuration

Start Date: 4/25/2016

Required Date: 5/3/2016

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0463J

Purchased

No

120

Each

4,336.000

20

20

NAS1149D0463.J

WASHER

DAS

28

9-89

APR 25 2016

DAS

6

9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

GA	149	
M129390	41	
M132035	108	
ST260a	2000	
M134573	2000	20
ST263	1199	
M134039	1199	
ST269	988	
M132317	100	
M132677	888	

6.0 PARTS LISTS

QTY -011	QTY -013	QTY -015	QTY -017	QTY -019	Part Number	Description
X					D412-702-011	Dart 13-Man Shoulder Harness Kit
	X				D412-702-013	Dart 5-Man Forward Facing Shoulder Harness Kit
		X			D412-702-015	Dart 4-Man Aft Facing Shoulder Harness Kit
			X		D412-702-017	Dart 4-Man Side Facing Shoulder Harness Kit
				X	D412-702-019	Dart 1-Man Forward Facing Shoulder Harness Kit
1	1		1	1	D412-702-069	GROMMET KIT
2	2				D3195-041	BRACKET
2	2				D3195-043	BRACKET
1	1			1	D3196-1	BAR
1			1		D3196-3	BAR
1			1		D3196-4	BAR
2	2				D3197-041	BAR
4		4			D3198-1	FITTING
18	10		8	2	D3215-041	HARNESS ASSEMBLY
4		4			D3215-043	HARNESS ASSEMBLY
2	2				D3268-1	PLACARD
13	5	4	4	1	D3551-11	HOOK AND LOOP TIE
2	2				D3546-1	CLIP
4		4			AN4-5A	BOLT
4	4				AN4-13A	BOLT
8		8			AN4-20A	BOLT
20		20			AN960JD416	WASHER (OR NAS1149D0463J)
12		12			MS21042L4	NUT (OR MS21042-4)
8	2		6	2	MS24694-S152	SCREW
8	2		6	2	MS24694-S154	SCREW